



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Art Unit

Examiner:

Applicant:

John M. Popovich

Serial No:

10/722,672

Filed:

November 28, 2003

For:

ELECTRONIC ASSEMBLY/SYSTEM  
WITH REDUCED COST, MASS, AND  
VOLUME AND INCREASED  
EFFICIENCY AND POWER DENSITY

05/18/2004 SDIRETR1 00000031 10722672

01 FC:1806

180.00 OP

Pasadena, California

May 12, 2004

SUPPLEMENTARY DISCLOSURE STATEMENT

Mail Stop DD  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Examiner's attention is directed to the following  
patents and publications, copies enclosed.

U.S. Patent 5,632,515 to Roney et al discloses a  
lamp, such as for truck trailers and/or tractors, is  
provided with LED's mounted to a circuit board placed in a  
housing.

U.S. Patent 5,746,497 to Marchida discloses an  
automotive signal lamp including a plurality of light

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emitting diodes arranged along an edge of a base plate disposed within a lamp chamber.

U.S. Patent 6,175,342 B1 to Nicholson discloses a modular electronic sign having a plurality of display units assembled on a mounting track and connected to a sign controller.

U.S. Patent 6,283,613 B1 to Schaffer discloses an LED signal module includes a casing defining a cavity.

U.S. Patent 6,390,643 B1 to Knight discloses an angle adjustment device comprises a support member, a plurality of holders for light emitting or receiving devices.

U.S. Patent 6,480,389 B1 to Shie et al discloses a light emitting diode (LED) includes a heat dissipation structure characterized by having a heat dissipating fluidic coolant filled in a hermetically sealed housing where at least one LED chip mounted on a metallic substrate is dwelled inside.

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U.S. Patent 6,652,127 B2 to Tarabula discloses a protective device for protecting a light unit that leaves the light output either unaffected or slightly to moderately attenuated.

U.S. Publication No.2003/0063463 A1 to Sloan et al discloses a channel letter lighting unit according to the present invention comprises a printed circuit board (PCB) having a plurality of linearly mounted light emitting elements.

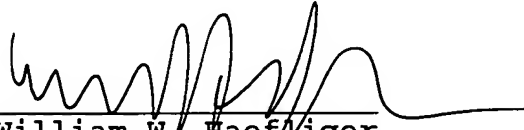
U.S. Publication No.2003/0112627 A1 to Deese discloses an energy efficient light strip illuminating apparatus that can be easily installed with Velcro fastener for both new installations and retrofitting incandescent and neon installations.

Copies of the above patents and publications are enclosed. They are believed not to teach, suggest or

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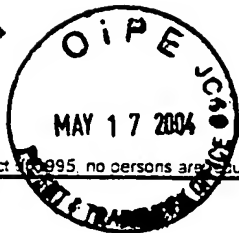
otherwise render obvious the invention as disclosed or  
claimed herein.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'William W. Haefliger', written over a horizontal line.

William W. Haefliger  
Attorney for Applicant  
Registration No.17,120  
Area Code 323 684-2707

WWH:hk  
Enclosure  
Docket 12,567



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/722,672
Filing Date	11-28-03
First Named Inventor	John M. Popovich
Art Unit	
Examiner Name	
Attorney Docket Number	12,567

Sheet 1 of 1

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 5,632,551	05-27-1997	Roney et al	
		US- 5,746,497	05-05-1998	Machida	
		US- 6,175,342 B1	01-16-2001	Nicholsen et al	
		US- 6,283,613 B1	09-04-2001	Schaffer	
		US- 6,390,643 B1	05-21-2002	Knight	
		US- 6,652,127 B2	11-25-2003	Tarabula	
		US- 2003/0063463 A1	04-03-2003	Sloan et al	
		US- 2003/0112627 A1	06-19-2003	Deese	
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**FOREIGN PATENT DOCUMENTS**

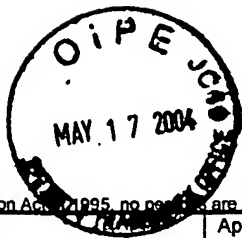
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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*Handwritten initials/signature*

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/722,672	
	Filing Date	Nov. 28, 1003	
	First Named Inventor	John M. Popovich	
	Art Unit		
	Examiner Name		
Total Number of Pages in This Submission	5	Attorney Docket Number	12,567

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
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<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	<b>Remarks</b>	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	William W. Haefliger
Signature	<i>[Handwritten Signature]</i>
Date	May 12, 2004

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	William W. Haefliger		
Signature	<i>[Handwritten Signature]</i>	Date	May 12, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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